CONFIDENTIAL 6/6/98



RIDGEWAY 13-36-29 STATE SW NE 36-13N-29E (901)

LEASE NO. 13-101-554 STATE ST JOHNS AREA COUNTY APACHE WELL NAME RIDGEWAY ARIZONA OIL CORP #13-36-29 STATE FOOTAGE 1356' fnl & 1726' fel LOCATION SW NE SEC 36 TWP 13N RANGE 29E STATUS D&A COMP. DATE P&A 5/20/97 DEPTH 2452' ELEV 6166,7' GR 6181' KB SPUD DATE 5/14/97 AZTEC WELL SERVICE RIG #124 CONTRACTOR CEMENT LINER SIZE & DEPTH DRILLED BY ROTARY X DEPTH CASING JIZE DRILLED BY CABLE TOOL 774 sxs 8 5/8" 1262 PRODUCTIVE RESERVOIR INITIAL PRODUCTION N/A SOURCE REMARKS FORMATION TOPS **DEPTHS** E.L. Permian San Andres 2881 558' х Permian Glorieta 7721 Х Perm Supai Corduroy Perm Supai Ft. Apache 1502 x Perm Supai Big A Butte 1580' Perm Supai Amos Wash 1914' x 2420' Precambrian granite SAMPLE LOG Yes/Mtn States PROD. INTERVALS PERFORATED INTERVALS ELECTRIC LOGS SAMPLE DESCRP. Yess " Array Induction SAMPLE NO. 1890 Microlog Porosity litholgy CORE ANALYSIS n/a DSTs n/a APP. TO PLUG 5/18/97 PLUGGING REP. 6/9/97 COMP. REPORT 6/6/97 WATER WELL ACCEPTED BY BOND NO. 4002111 AND 4002112 BOND CO. BANK ONE ARIZONA CD's 6/14/94 AND 11/18/94 DATE ORGANIZATION REPORTYES - SEE FILE 880 BOND AMT. \$ 25,000 CANCELLED PLAT BOOK WELL BOOK LOC. PLAT FILING RECEIPT 3099 DEDICATION +/- 640 ACRES DATE ISSUED 4/8/97 API NO. 02-001-20313 PERMIT NUMBER 901

(over)

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	13-1	01334							Cou	nty							
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Date of t	.a.		_			[		bbls.			MCF			bb	ls.	*AI	PII
Tubing p	70001170	Caein	g pressu	re	Calculat	ed rate of		Oil		Gas			Vater		G	es - oil (	ratio
Lanua t	169301 <u>6</u>	""	a F		producti	ion per 24 l	nrs.		bbl	s		/CF		bb	ls.		
Disposit	on of ca	s(state wh	ether ven	ted, ı	used for	fuel or s	iold)										
CERTIF	ICATE:	I, the under Az Oi	rsigned,	under	r the pen	nalty of p	nerjury,	npany).	and that I a ts stated th	erein an	rized by sa	iid comp	any to i	njake this	report	and the	of the at this wledge.
Date	•	<del></del>			202.45	15 77	λ <sup>1</sup> γ· ·	_	Sigr	alure		•					
Date				Æ	6 11 1	*	"15") <sub>()</sub>		l								
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ļ		Mail comp Oil and Ga	is Progra	nt Au	ıın thigy) İministra	cays of logates	сотрю	noil (ö.						RIZON			
Į.		Arizona G	eological	28V	ey P	V	, C	$\cong i$	i	OIL	& GAS	CONS	ERVA	TION C	OMM	ISSIO	N
- [		416 W. Co Tucson, A		ŁΔ <b>A</b> O,	کی د	EOLUS SURW	C.		ļ	Ma	i Completi	on or Re	comple	tion Ren	ort and	Well Lo	g
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D3	No. 00	901		•	Wir.	79717	رناوري	7	Form	No. 4		1 13	5 One (	. ~ ~ ~ 7			
			-			1782 16	100		1								

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2/96

FORMATION	тор	воттом	DESCRIPTION*
Ft. Apache	1500 1564	1564 1960	Dolomite Red Bed Sandstone
Oak Creek	1960	2408	SAnd Stone
•			
·			

**DETAIL OF FORMATIONS PENETRATED** 

DESCRIPTION\*

#### INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the Oil and Gas Program Administrator, Arizona Geological Survey, 416 W. Congress #100, Tucson, AZ 85701 not later than thirty days after completion pursuant to A.A.C. R12-7-121.

Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

May 15, 1998

Memo:

From:

To File
Steven L. Rauzi

Re:

Field inspect Ridgeway 13-36-29 (Permit 901)

Inspected well with Mike Rice and Chet Oakley, ASLD, on May 14, 1998: Location and reserve pit reclaimed, sign. Unmarked monument pipe adjacent to wellhead with Apollo valve. Some brief air pressure on opening of apollo valve. Surface plug apparently not set.

·	·				DECODE	7			
				PLUGGING	RECURD Address & Phone n	he	- 70	Box 1	110
perator Ridgeway	Arizona O	il Cor	pora	ation	520-337-3	230	<u>St</u>	Johns Johns	s, AZ 85926
ederal, State, or Ind		essor's nan	ne if fee	lease Well	No.   Field & Res				
State 13	-101554			110-			Twp - Rge		County
ocation of Well  1356 ' F/	/NT £ 172	6' F/I	RT.		sec 3	6 Т	13N R	29E	Apache
pplication to drill thi	NL Q L/C	name of	Has th	nis well ever	Character of well a	t comp	letion (initial Gas (MC	production):	ı Dry?
	AZ Oil C		produc	ced oil or gas	Oil (bbls/day)		CES (WIL	.F/Gay)	Yes
			Total d		Amount well produc	w gnic	nen plugged:		- 15 Life (day)
ate plugged 5/20/	/07		1	52'	Oil (bbls/day)		Gas (M	CF/day)	Water (bbls/day)
-,					None Depth interval of ea			One Size kind	& denth of plags used.
lame of each forma il or gas. Indicate v pen to wellbore at t	which formation 1	Fluid cont	ent of ea	ach formation	Depth interval of 6	101 101	[II]ayen	Indicate 70	ones squeeze cemented, ount of cement
Ft. Apac	che	Wate	- r		1500-15	364		NA	
Amos Was		Wate			1564-19	960_		NA	
		Wate			1960-24	408		NA	
Oak Cree	3K	Macc	<u> </u>		<del> </del>			<del> </del>	
		<b></b>			<del> </del>			<del> </del>	
		<u> </u>						<u> </u>	
				CASING	1				
Size pipe	Put in well (ft.)	Pulled or	ut (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, etc.)			Packers and	shoes
~ 5 /O"	1261.81'	None		1261.81	NA NA		NA		
8-5/8"	1201.01	NOUS	<del>*</del>	1					
		<del> </del>		<del> </del>	+	$\vdash$			
	<u> </u>	<u> </u>		<u> </u>	<del> </del>	<del> </del> -	<del> </del>		
		l		<u> </u>		<b>↓</b>			
						<u> </u>			<u></u>
Was well fille	d with heavy drillin	ıg mud, acc	ording to	o regulations?	Indicate deepest	forma	tion containi	ng fresh wate	er
177373					480' OPERATORS OF	- OW	NERS OF	THE SURF	ACE
	NAME AND ADL			JACENI LEASE	OPERATORS	( 0	Directi	on from this v	vell
Name		AC	ddress						
State (	of Arizona	$\frac{1}{1}$	616	W. Adams	Phoenix AZ	<u> </u>	All	Direct	ions
<u> State t</u>	/L ALLOYS		<u> </u>	<u> </u>					<del> </del>
		<del></del>					_		
									ent details of plugging ch letter from surface ich might be required.
Use reverse side	for additional deta	il. See	Back	ζ					
Ridgeway report was prepa	AZ Oil C	orn		(company	at I am the <u>Vic</u> y) and that I am auth ts stated therein are	onzeo	by Sale Com	many to mak	of the point of th
	97		Will.	1318/85	- Signeture	<u>u</u>			9-
Date		<b>16</b>	R	13	Grgy			-	
	Mail comple Oil and Gas Arizona Geo	ted Com to	o: Admiteri	ACT OF THE PERSON NAMED IN COLUMN TO PERSON	OIL	 & GA		OF ARIZO	ONA COMMISSION
İ	416 W. Con	gres <b>s, 8</b> 100	LAGEO.	URNEY OF				ging Record	
ì	Tucson, AZ	8570	·~		1			One Copy	

Form No. 10

Permit No. <u>009</u>01

1st plug set at TD-2300'
2nd plug set at 1310-1210'
3rd plug set at 20'-0'

C332355

经汇票 (1000年)

lst plug set at TD-2300. Srd plug set at TD-2300.

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#### SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Ridgeway Arizona Oil Corpo	ration
	ecify) Dry Hole
3. Well Name State 13-36-29	
Location 1356' F/NL & 1726' F/EL	
Sec. 36 Twp. 13N Rge. 29	E County <u>Apache</u> , Arizona
4. Federal, State, or Indian Lease Number, or lessor's name if fee lease	13-101554
5. Field or Pool Name Wildcat	
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Dat	a
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHOT-OFF	ATER SHUT-OFF WEEKLY PROGRESS ACCURE TREATMENT REPAIRING WELL
FRACTORE INEXT	HOOTING OR ACIDIZING ALTER CASING
REPAIR WELL CHANGE PLANS	ABANDONMENT
(OTHER) Plug & Abandonment	(OTHER)
(Officity	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form 4
numbed, bulled drill pipe insi	n plug @ 1376'. Pumped 200' plug,
8. I herby certify that the foregoing is true and correct.  Signed	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Sundry Notice and Reports On Wells File One Copy

Form No. 25

Mail Completed Form to: Oil & Gas Program Administrator Artsona Geological Survey 416 W. Congress #100 Tucson AZ 85701-1315

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Permit No. 00901

5/96

## CILICATION TO PLUG AND ABANDO

OPERATOR Ridgeway Arizona Oil Corp. ADDRESS PO Box 1110 St. Johns, AZ 85936 Federal, State or Indian Lease Number or Lessor's Name if Fee Lease 13-101554 WELL NO. 13-36-29

LOCATION T13N R29E Sec 36 -- 1356' F/NL & 1726' F/EL

CEMBER :

FIELD Wildcat

Permit No. <u>00901</u>

TYPE OF WELL Dry Hole (Oil, Gas or Dry	Late)	TOTAL [	DEPTH 2400'	
ALLOWABLE (If Assigned) NA	y Fluie)			
LAST PRODUCTION TEST NA OIL	(Bbls.)	WATER		(Bbls.)
GAS		DATE OF 1		
PRODUCING HORIZON NA	<del></del>			_
1. COMPLETE CASING RECORD.				
8-5/8" 23# set @ 1261.81 G	<b>2</b> T.			
<b>5 5,6 25</b> 250 5 250 250				
P. FULL DETAILS OF PROPOSED PLAN OF WORK.				
Set 100' plug F/TD to 2300'	ı <u>+</u>			
Set 100' plug F/1310' to 12	210'			
* See attached Sundry Notic	ce			
DATE COMMENCING OPERATIONS 5/20/97				
NAME OF PERSON DOING WORK <u>Mike Dwine</u>	11 / A	DDRESS PO BOX	1110 St.	Johns, A
	alon a	//_		
Signatu		-39J		
·	(0.7)			
Title	Rod 1110	Ji Voh	NK AZ	85931
Addres	5 - 22 - 5			
Date	3-21-91	, 		
1/4 hal - 5/10/167		STATE OF		
Date Approved Value on 5/18/97 STATE OF ARIZONA	01	L & GAS CONSERVA Application to Pic		ION
OIL & GAS CONSERVATION COMMISSION		File Two		
1. Openio		_		1

5-15-97 Don calls @ 11:30pm

Spudded 13-36-29 about 4 hrs aso (~ 7:30pm)

Expect to run pipe ~ 7-8am

Expect to cont ~ 10-11am

SEREN

5-16-97 Surf css set @ 1283' - no cite - top of Ft. Apache Pour 9 yds to fill annulus to surf.

5-18-97 May have a dty hole

No more than ~39, Co2 - 4mi NE of PC#1

T.D. 2444 @ 12:15p

Will tun loss & turnomer as ww if landowner desitus.

What in Glorieta, nothing in Supai.

100' cont plus on bothom, 100' cont plus across surf shoe.

\* Verbal OK \*

5-19-97 Call + advise Cynthia Stefanovic, ASLD, of well-Will check on acceptance + Call me tomotron. Don calls - is working on 2nd plag. Will woc + tag. Drillet - Mr D. died in sleep. Will shut down I day for funeral. Move ris to 12-16-28 tomotron.

5-27-97 Call Charles Cantrall & ASLD not informated in falling over as wow @ this time. Plug habe with surface css ~ 1' above showed level.



## PERMIT TO DRILL

This constitutes the permission and authority from the

## OIL AND GAS CONSERVATION COMMISSION, STATE OF ARIZONA,

To:RID	GEWAY ARIZONA OI	L CORP	
10:	(OPERATOR	<del>1</del> )	
to	o drill a well to be	known as	
	13-36-29 S	TATE	
	(WELL NAME)		
located	1356' FNL & 172	26' FEL	
Section 36 Township 13N	Range 29E	APACHE	County, Arizona.
The	+/- 640 ACRI	es	of said
Section, Township and Range is dec	dicated to this well.	•	
Said well is to be drilled subst in full compliance with all applicab	le laws, statutes, ru	les and regulations o	f the State of Arizona.
Issued this 8 day of	APRIL		. 19 <u>.97</u> .
	OIL By_	Steven	VATION COMMISSION  LOUIS WESCHERTOR RAM ADMINISTRATOR

State of Arizona
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

PERMIT 00001

RECEIPT NO. 3099

A.P.I. NO. 02-001-20313

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	(	•.		<u> </u>	
	APPLICATION TO DRIL	TION FOR PERMIT			ER LD WELL
NAME OF C	OMPANY OR OPERATOR			<del>,</del>	
	Ridgeway Arizona (	oil Corporation	n		
Address		City		State	Phone Number
	PO Box 1110	St. Johns	, AZ		520-337-3230
Drilling Contra	Aztec Well Serv	vice			:
Address	PO Box 100	Aztec, N	м 88410		
		DESCRIPTION OF	WELL AND LEASE		
Federal, State	or Indian Lesse Number, or if fee lease	, name of lessor	Well number 13-36-29		Elevation (ground)
Nearest distar	13-101554 nee from proposed location to property o	r lease line:		cation to neares	at drilling, completed or applied-for
	1356'	feet		None	feet
Number of ac	res in lease		Number of wells on lesse,	including this w	ell, completed in or drilling to this reservoir
	1760.00			1	
		ame	Ad	dress	
gravec, irom w	rhom purchesed:				
Well location	(give footage from section lines)	Section - townst	hip - range or block and surve	ту	Dedication [A.A.C. R12-7-104(A)(3)]
	6' F/NL & 1726' F	/EL   Sec 36	T13N R29E		640
PHIC SIG THE	evoir (f widcel, so state) Wildcat		Apache		
Distance in m	iles and direction from nearest town or			<del></del>	
Proposed de	10 mi NE of Sprin	ngerville Rotary or cable tools		Approximate	e date work will start
Flogorou de	2200'±	Rotary		4/28/	
Bond status	On file	Organization Report		Filing Fee o	
Amount Remarks	25,000	On file XX Or	attached	Attached	XX
	≠ 02-001-20313				
Ric		. (company), a	ind that I am authorized b	, ,	ny to make This report; and that this
report was	s prepared under my supervision al	nd direction and that the fact $\cdot$	ts stated therein are true,	correct and c	complete to the best of my knowledge
Oil and G	pleted form to: as Program Administrator		Signature	7	
Arizona ( 416 W. C	Geological Survey Congress, #100 AZ 85701-1315		3/24/9 Date	1	
Permit Nur	nber: 901			STATE OF	- ARIZONA
Approval E			OIL & GAS	•	VATION COMMISSION
Approved	<u> </u>	aiz		Application to	Drill or Re-enter
NOTICE:	Before sending in this form be sure that requested. Much unnecessary corresponds	t you have given all information condence will thus be avoided.		File Tw	o Copies

Form No. 3
(Complete Reverse Side)

€ ₹6

Owi	Owner Land Description									
6.	6. If the answer to question four is "no", list all the owners and their respective interests below:	If the answer to question four is "no", list all the owners and their respective interests below:								
5.	5. If the answer to question four is "no", have the interests of all owners been consolidated by communitization YES NO If answer is "yes", give type of consolidation	If the answer to question four is "no", have the interests of all owners been consolidated by communitization agreement or otherwise?  YES NO If answer is "yes", give type of consolidation								
4.	is the operator the only owner in the dedicated acreage outlined on the plat below? YES XX NO									
3.	ALL DISTANCES SHOWN ON THE PLAT MUST BE FROM THE OUTER BOUNDARIES OF THE SECTION.									
2.	2. A registered surveyor shall show on the plat the location of the well and certify this information in the space	e provided.								
1.	1. Operator shall outline on the plat the acreage dedicated to the well in compliance with A.A.C. R12-7-107.	P/N 901								

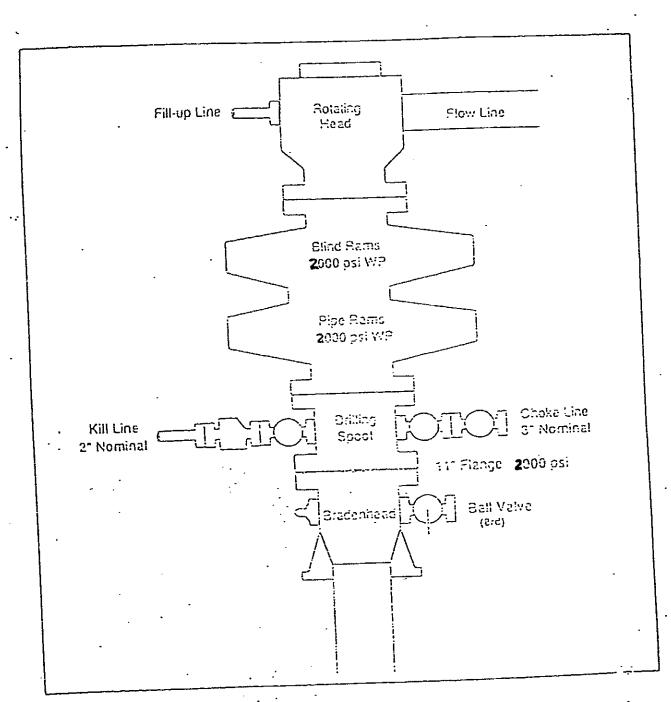
P/N 901

		589°18'00"E		5187.96	FND	CERTIFICATION
			1356'			i hereby certify that the information above is true and complete to the best of my knowliedge and belief.
······				1726'		Name Don Riggs
			ı	1740	200	Position Viçe President
2	Section	36, T13N, R29	B I		9.36	Company Ridgeway AZ Oil Cor
e in a	G&SRM,	Apache County,	Arizona		, sme	Date 3/17/97
 }						
3					536	I hereby certify that the well location sho on the plat was plotted from field notes of
2					72	actual surveys made by me or under my supervision, and that the same is true ar
NO. 33. 73. W					3/	correct to the best of my knowledge and belief.
,	•••••					
						Date Surveyed March 17, 1996
						Registered Land City Syor 23947
FND		N89°08'/7"W		5200.85	FND	KENNETH FLYGARE

PROPOSED CASING PROGRAM Cementing Depths Sacks Cement Type Тор Weight Grade & Type Bottom Size of Casing G +/-7801 CIRCULATE 385 SURF 23# 8 5/8" CIRCULATE POZ 560 SURF |+/- 2300' 4.25# FIBERGLASS 4 1/2"

UNITED STATES TMENT OF THE INTERIOR EOLOGICAL SURVEY 30 26 327 days Well WI+@ 215 06476 30gpm 2 6476 Mesa Parada NW St Johns & 6734 Sama S. Samuel

BOP STACK ARRANGEMENT



All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 600 psi. The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

1

WELL PAD LAYOUT State 13 -36-29 SCALE: 1"=20' MUD PIT 12' ò 35-/ 60.

Produce

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DRILLING WELL PROGNOSIS

OPERATOR	Ridgeway	AZ Oil	Corp LEAS	E State		NO, 13- <u>3</u> 6-
LOCATION						
COUNTY				<del></del>	Arizona	
ELEVATION:	Ground	Level 61	66.5	_Kelly Bu	shing 6180	.5
GEOLOGICAL	. PROGRA	М				
Tops		Depth	Cores-D	epths	Drill Stem 1	Tests-Depths
Glorieta	1	450				
Supai		660				
Ft. Apac		1365				
Big A B		1430				
Electric Logo	ging: Com	ipanyH	alliburton		Phone 50	5-324-3500
Logging Pro	gram:		<del> </del>			
					f Phone 505-6	22.6713
Well Site Ged					b Phone 505-6	
			95		f Phone 505-7	
Mudlogger:			0 501 2070	01	r Phone 505-	48-2000
			0-521-2878	Pho	ne 405-392-	-2515
			ng rs, Inc.	<del> </del>	one 800-925-	
			rton		one 505-324-	
=	<del></del>		10' drilli			<del></del>
MUD PROGR		one_necp	10 011111			
		Don Durh	am for Rigg	S	_Off Phone_50	05-320-5238
	la =			Mob	Phone	
Depths Instructions						
0-700'	······································		35-40 Vis	<del></del>		
700-210	0 '			vis		
Log			40 vis			
ENGINEERIN	G PROGRA	AM				
Well Site En	gineer/Sup	ervisor D	on Riggs	(	Off Phone 520	)_337_3230
	hone 520				one 520 – 587 – :	
			Service		off Phone 505.	-3346191
Tool Pusher	Buddy D	avis	_Home Phone			e 505-320-1144
Cementing C	o, Dowell	Ĺ		Off Phor		
Water Haule	Dawn T	rucking	Co Ph	one 505	-327-6314	
				·		
	Ca	asing			Cement	
Hole Size	Csg Size	Weight	Depth Set	Type &	Sacks	Est top of cmt
12¼"	8-5/8"	23#	780'	385 sl	(S	surface
7-7/8"	41/2"	4.25#	2300 '	560 sl	ζS	surface
	REAKS - I Hydrogen		IONS Mudlog	ger to c	ontact Geol	ogist when
OTHER INS	TRUCTION	5	Work safe			
DAILY DRIL	LING REP	ORTS TO	Don Riggs	<u> </u>		
					·	<u> </u>

.

i.

RIDGEWAY ARIZONA OIL CORP.

OPERATING ACCOUNT
P. O. BOX 1110 520-337-2458
ST. JOHNS, AZ 85936

PAY
TO THE OF ARIZONA
ORDER OF STATE OF ARIZONA
ORDER OF STATE OF ARIZONA

DOLLARS DESCRIPTIONS

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BANK ONE.

BANK

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BALANCE OUE		ORDER	<u> </u>	By	am L. Kan	

8K806 Rediform

(3

 Operator\_\_\_\_\_\_ Ridgeway Arizona Oil Corporation

 Bond Company: \_\_\_\_\_ Bank One Arizona \_\_\_\_\_\_ Amount: \$25,000\*

 CD#4002111 (\$10,000) Bond No.: CD#4002112 (\$15,000) Date approved: 11/28/94

\* Two separate CD's to make up one blanket bond. These 2 CD's are not to be released until all wells covered by the blanket bond have been plugged and abandoned.

#### Permits covered by this bond:

STATE: ARIZONA
COUNTY: APACHE
API: 02-001-20313
FIELD: WILDCAT
WELL CLASS: WF
RIDGEWAY AZ OIL CORP

36-13N-29E SW NE 1356 FNL 1726 FEL SEC STATUS: D&A

7/N 901

13-36-29 RIDGEWAY STATE

SPUD: 05/14/1997 COMP: 05/20/1997 ELEV: 6180 KB 6167 GR
TD: 2452 (05/20/1997) FM/TD: PRE CAMBRIAN DTD: 2452
CONTR: AZTEC WELL SERVICING (VERTICAL)
PROJ DEPTH/FM: 2200 FORT APACHE PERMIT # 901 (ST APPD PMT: 04/08/1997) LEASE
TYPE: STATE TARGET OBJ: GAS

2452 DTD COMP:05/20/1997 D&A; , NO DST RUN

LOCATION DATA: 4 MI NE UNNAMED FLD(FORT APACHE)CO2 DISC 15-12N-29E 7 MI E ST JOHNS, AZ;;

CASING: 8 5/8 IN © 1262 W/774 SACK;

LOG TYPES: MICL 1262-2400, POR 1262-2400, LITH 1262-2400, AISF 1262-2400;

LOG TOPS: GLORIETA /SD/ 558, SUPAI 772, FORT APACHE 1500, PRE CAMBRIAN 2420;

(OVER)
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03/03/2000

CARD# 0010-AZ

RIDGEWAY AZ OIL CORP

13-36-29 RIDGEWAY STATE

API: 02-001-20313, 36-13N-29E

(CONTINUED)

OPER ADD: P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230;

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03/03/2000

CARD# 0010-AZ

C

PI/DWIGHTS PLUS DRILLING WIRE ™ **ROCKY MOUNTAIN REGION** Section II - 03/03/2000

PM 901

Establish |

COMPLETIONS

**RIDGEWAY ARIZONA OIL** COMPANY 13-36-29 RIDGEWAY STATE API 02-001-20313

36-13N-29E SW NE 1356 FNL 1726 FEL SEC

ARIZONA / NEVADA-APACHE COUNTY CONTINUED WILDCAT; 2200 FORT APACHE PERMIT: 901 (PMT APP'D 04/08/1997) (FR:04/10/1997 FM Update) LEASE TYPE:STATE TARGET OBJ: GAS; OPER ADD: P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 EL: 6180 KB 6167 GR LOCATION DATA: 4 MI NE UNNAMED FLD(FORT APACHE)CO2 DISC 15-12N-29E 7 MI E ST JOHNS, AZ; VERTICAL;

WF D&A

CONTR: AZTEC WELL SERVICING, SPUD:05/14/1997 CSG: 8 5/8 IN @ 1262 W/774 SACK; LOG TYPES: MICL 1262-2400, POR 1262-2400, LITH 1262-2400, AISF 1262-2400; LOG TOPS: GLORIETA /SD/ 558, SUPAI 772, FORT APACHE 1500, PRE CAMBRIAN 2420; 2452 TD, (PRE CAMBRIAN) (TD REACHED:05/20/1997) 2452 DTD COMP:05/20/1997 D&A;, NO DST RUN

PETROSUN EXPLORATION & PRODUCTION

15-14N-25E SE NE

15-1 NEW MEXICO & ARIZONA LAND CO1445 FNL 1050 FEL SEC API 02-001-20306

WILDCAT: 3800 PRE CAMBRIAN PERMIT: 894 (FR:06/10/1996 FM KMS) LEASE TYPE:FEE TARGET OBJ: OIL; OPER ADD: 6836 E LUDLOW DR. SCOTTSDALE, AZ 85254-3421, EL: 5552 GR LOCATION DATA: 1 1/2 MI SW HUNT, NM 30 MI S-SW PINTA DOME FLD(COCONINO)ABND; PRIMARY TARGET: DEVONIAN; VERTICAL;

D&A-G

CONTR: UNITED DRILLING CORPORATION, RIG # 3; SPUD:06/17/1996 CSG: 8 5/8 IN 9 609 W/365 SACK,5 1/2 IN 9 1368 W/145 SACK; DRLG COMMENTS: OPR REPORTS ROTARY BUSHING BLEW OUT OF HOLE WITH, MUD & METHANE IN SUPAI @ 1202-1232, OPERATOR MAY, DRILL AN OFFSET IN FUTURE.; SHOWS: 1034-1062 SUPAI GAS, 1034-1062 SUPAI OIL; LOG TYPES: DLL 608-3644, MSFL 608-3644, CNDL FD 608-3644, GR 608-3644, CBND 0-1281, CCL 0-1281, BHCS 608-3644; LOG TOPS: COCONINO 200, SUPAI 530, NACO 3040, MOLAS 3450, DEVONIAN 3480, GRANITE 3540; DST # 001(SUPAI) 1034-1062 NO OP 15 MIN SI 30 MIN OP 30 MIN SI 60 MIN; PIPE REC: 200 FT MW, 305 FT W SPL REC: 2500 CC W; SPL CHAMBER 20 : IFP 51 FFP 167 IFP 178 FFP 308: ISIP 388 FSIP 391; IHP 547 FHP 547 8HT 80 F 3648 TD, (GRANITE) (TD REACHED:07/04/1996) BHT: 115F PROD TEST(S): # 001 PERF (SUPAI) 1206-1226 W/ 4 PF; ACID (1206-1226) W/ 2000 GAL ACID 15% HCLREC 5 MCFGPD, 8 BW IN 30 MIN @ 350 PSI AND DIED (86.6% NITROGEN, 12.1% CO2, 1.1% METHANE) 3648 DTD COMP:01/02/1998 D&A-G;

RIDGEWAY ARIZONA OIL **COMPANY** 15-28-29 RIDGEWAY

API 02-001-20316

28-15N-29E NE NW 818 FNL 1423 FWL SEC WILDCAT; 2200 FORT APACHE PERMIT: 904 (FR:05/27/1997 FM KMS) LEASE TYPE:STATE TARGET OBJ: GAS; OPER ADD: P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 EL: 5708 KB 5695 GR LOCATION DATA: 12 MI N-NE ST JOHNS, AZ 16 MI N UNNAMED FLD(FORT APACHE)CO2 DISC; **VERTICAL**;

D&A

CONTR: AZTEC WELL SERVICING, RIG # 124; SPUD:05/27/1997 CSG: 8 5/8 IN @ 1049 W/548 SACK; SPL TOPS: FORT APACHE 1463; 2264 TD, (GRANITE) (TD REACHED:05/31/1997) 2264 DTD COMP:06/01/1997 D&A; , NO DST RUN

THOMPSON ENGINEERING & PRODUCTION CORP 11 NAVAJO TRACT 138 IC 020017000597 ABANDONED LOCATION;

2-40N-28E NW SW 2520 FSL 1200 FWL SEC IC 020017000597

DRY MESA: 5500 BARKER CREEK (PMT APP'D 11/05/1997) (FR:11/05/1997 FM KMS); OPER ADD: 7415 EAST MAIN, FARMINGTON, NM 87402. (505)327-4892 LOCATION DATA: 6 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK);

THOMPSON ENGINEERING & **PRODUCTION CORP** 7 NAVAJO TRACT 138 **J2001/00019**/ **ABANDONED LOCATION;** 

2-40N-28E 2285 FSL 1245 FWL SEC DRY MESA; 5700 LEADVILLE (PMT APP'D 11/05/1997) (FR:11/05/1997 FM KMS); OPER ADD: 7415 EAST MAIN, FARMINGTON, NM 87402, (505)327-4892 LOCATION DATA: 6 MI SW TEEC NOS POS, AZ W/IN DRY

**AB-LOC** 

THOMPSON ENGINEERING & **PRODUCTION CORP 8 NAVAJO TRACT 138** IC 020017000297

**ABANDONED LOCATION:** 

11-40N-28E NE NE 1000 FNL 800 FEL SEC IC 020017000297

DRY MESA; 5500 BARKER CREEK (PMT APP'D 11/05/1997) (FR:11/05/1997 FM KMS); OPER ADD: 7415 EAST MAIN, FARMINGTON, NM 87402, (505)327-4892 LOCATION DATA: 7 MI SW TEEC NOS POS, AZ W/IN DRY MESA FLD(BARKER CREEK);

AB-LOC

THOMPSON ENGINEERING & PRODUCTION CORP 9 NAVAJO TRACT 138 IC 020017000397 **ABANDONED LOCATION;** 

12-40N-28E SWINE 1560 FNL 1965 FEL SEC IC 020017000397

DRY MESA; 5500 BARKER CREEK (PMT APP'D 11/05/1997) (FR:11/05/1997 FM KMS); OPER ADD: 7415 EAST MAIN, FARMINGTON, NM 87402, (505)327-4892 LOCATION DATA: 6 1/2 MI SW TEEC NOS POS. AZ W/IN DRY MESA FLD(BARKER CREEK):

AB-LOC

**ARZON CORPORATION** 

1 ARZON STATE

API 02-003-20009

27-13S-30E **NW NW** 660 FNL 660 FWL SEC **COCHISE COUNTY** WILDCAT; 9900 PENNSYLVANIAN (FR:06/26/1995 FM KMS) LEASE TYPE:STATE; OPER ADD: BOX 10186, PHOENIX, AZ EL: 3613 KB 3600 GR LOCATION DATA: 2 MI W OF SAN SIMON, AZ VERTICAL;

WF J&A



Jane Dec Hull

State of Arizona

## Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows

July 21, 1998

Don Riggs Vice President of Operations Ridgeway Arizona Oil Corporation P.O. Box 1110 St. Johns, AZ 85936

Dear Mr. Riggs,

After conferring with the Arizona Attorney General's Office, I find that the Arizona Oil and Gas Conservation Commission cannot grant your request to extend the confidential status of Ridgeway's carbon dioxide wells in Apache County, Arizona. The two year confidential status that is granted for geothermal wells is not relevant to carbon dioxide or other natural gas wells. Arizona Revised Statute No. 27-522 specifies a six-month confidential status for oil and natural gas wells, which is consistent with well-established standards of the oil and gas industry.

The Arizona Oil and Gas Conservation Commission has been supportive of Ridgeway's development and will continue to be. However the Commission must comply with state law and make information on the wells available to the public on July 24, 1998.

Sincerely,

J Dale Nations, Chairman

copy:

Dr. Larry Fellows, Director of Arizona Geological Survey Jay Skardon, Arizona Attorney General's Office



F 20220023

Ridgeway
Arizona Oil Corporation

July 14, 1998

Arizona Geological Survey 416 W. Congress Suite 100 Tucson, AZ 85701

201

Attn: Mr. Steve Rauzi

Oil & Gas Program Administrator

RE: Confidential Status

Certified Mail: Z 444 756 601

Dear Mr. Rauzi:

Ridgeway Arizona Oil Corporation (Ridgeway) is in receipt of your letter of July 10, 1998, refusing to extend the confidential status of our development. Past conversations with Dr. Fellows indicated that upon written request for Confidential Extension, this could be done.

Ridgeway has approximately 250,000 acres leased in Apache County Arizona, for future development. Due to the size of this field, it will require one (1) to two (2) years of reservoir studies, state and federal agency requirements, mainly EIS and unitization. These actions are on going and could take up to two (2) years to complete.

Ridgeway requires Confidential Agreements with all parties involved in any negotiations with the company. Release of geological information by the State of Arizona could prove to be a deterrent to the future of Ridgeway.



P.O. 80x 1110 St. Johns, AZ 85936 Tel: 520 337 3230 Fax: 520 587 3522



# Ridgeway Arizona Oil Corporation

July 14, 1998 Page 2 of 2 Rauzi

Ridgeway respectfully request the Commission to reconsider the two (2) years Confidential Status granted to geothermal wells, (Arizona Administrative Code R 12-7-121 sub part D) to carbon dioxide/helium wells.

Sincerely,

RIDGEWAY AZ OIL CORP

Don Riggs Vice President of Operations

DR:ct

Cc: Larry D. Fellows, Director & State Geologist
J. Dale Nations, Chairman, Oil & Gas Conservation
Mike Rice, Manager Minerals Section
Mark Steadman, Attorney General
Murray Snow, Ridgeway Attorney
Walter Ruck, Ridgeway Petroleum Corp.

Rauzi.ltr.7-14-98



P.O. Box 1110 St. Johns, AZ 85936 Tel: 520 337 3230 Fax: 520 587 3522



# State of Arizona ( Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

Jane Dee Hull Governor

July 10, 1998

Mr. Thomas White Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

901

Re: Wells 22-1X State (State Permit #888), 11-21 State (895), 10-22 State (896), 9-21 State (897), 9-22-29 State (898), 10-16-31 State (899), 12-15-30 State (900), 13-36-29 State (901), 12-16-28 State (902), and 10-26-29 State (903).

Dear Mr. White:

Please be advised that the Commission is not able to extend the confidential status for the referenced wells beyond July 23, 1998.

Please advise if we may be of further assistance.

Sincerely,

6

Steven L. Rauzi

Oil & Gas Program Administrator

Theat Rais

Larry D. Fellows, Director and State Geologist
J. Dale Nations, Chairman, Oil and Gas Conservation Commission



Arizona Geological Survey 416 W, Congress Suite 100 Tucson, AZ 85701 201

10/14/1997

ATT. Mr. Larry Fellows

Dear Mr.Fellows

This letter is to request a 6 mo. extension on the confidential status of our wells. We would like to keep <u>all</u> of our well information confidential, if more information is needed please advise.

Thousald

Thomas White

Production Manager, RAOC

Cc: J.Dale Nations, Oil Gas Conservation Commissioner, and Chairman Marc Steadman, Office of Attorney General Walter Ruck, President of Ridgeway Petroleum Corp.

Fel.10-14-97



P.O. Box 1110 St. Johns, AZ 85936 Fel: 520 337 3230 Fax: 520 587 3522



neaseen

## Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows
Director and State Geologist

Fife Symmington Governor

August 29, 1997

Mr. Don Riggs Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

Dear Mr. Riggs:

This will acknowledge receipt on August 25, 1997, of the following analyses, core chips, and wireline logs.

Analyses by Reserv	oirs Inc.	Analyses by B	aker Oil Tools		Core chips
888 (22-1X) Conve	ntional core 1296-1640'	895 (11-21)	DST1: 161	0-1664'	888 (22-1X): 1296-1356'
	all core analyses received		DST2: 166	5-2410'	No cuttings samples received
895 (11-21) 15 side	wail cores 1681-2372'	896 (10-22)	DST1: 142	8-1490'	
	ntional core analyses received		DST2: 157	/5-1790°	<u>895 (11-21)</u> :
	wall cores 1482-2235'		DST3: 205	4-2265'	No cuttings samples received
	ntional core 1930-2160'	897 (9-21) DST1:		0-1964'	
	ational core 2642-2693		DST2: 196	3-2160'	
•	- •		DST3: 259	0-2694'	
Wireline logs by Sc 888 (22-1X)	Platform Express Porosity-Lith Platform Express Resistivity Lo Platform Express Microlog		<u>5 (11-21)</u>	Platform Express Por Platform Express Re Platform Express M FMI LQC LOG	esistivity Log
<u>896 (10-22)</u>	Platform Express Porosity-Lith Platform Express Resistivity L Platform Express Microlog Natural Gamma Tool		7 (9-21)	Platform Express Pr Platform Express R. Platform Express M	esistivity Log
898 (09-22-2)	) Platform Express Porosity-Lith	ology 89	9 (10-16-31)	NO LOGS RECEIV	/ED

Platform Express Resistivity Log

Platform Express Microlog

899 (10-16-31)

Combinable Magnetic Resonance Tool

901 (13-36-29

900 (12-15-30) Compensated Neutron Log Digital Array Sonic Log

901 (13-38-29

Platform Express Porosity-Lithology Platform Express Array Induction Platform Express Microlog

902 (12-16-28) Gamma Ray

903 (10-26-29)

Platform Express Porosity-Lithology Platform Express Resistivity Log Platform Express Microlog

Please note that analyses for the sidewall core on the 22-1X and conventional core on the 11-21, cuttings samples for the 22-1X and 11-21, and wireline logs for the 10-16-31 were not received.

Sincerely.

Steven L. Rauzi Oil & Gas Program Administrator

c Oil and Gas Conservation Commissioners, J. Dale Nations, Chairman Larry D. Fellows, Director and State Geologist Office of Attorney General

8-5-97 Don Riggs calls.

Recarding my letter of July 28 - What logs do we need?
I advise all logs on all wells. I have 11-21x & 10-22
[recall he gave me 10-22 logs @ ASLD ants on 4-1-97.
These were the last logs we received.
He advised we are on Schlumberger's distribution list.
Schlumberger informed him all logs were sent to me.
I advised more have been received.
He said they are floating around somewhere in the mail.
He will have them send again by special courier & have someone sign.
I advise that's fine.

901





Fife Symington Governor

## Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

August 4, 1997

Mr. Don Riggs Vice President Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

90

Dear Mr. Riggs:

Thank you for sending the Sundry Notices of July 28 reporting the spud date, total depth date, and total depth for some of your wells. These reports, however, do not provide the drilling record required by this office.

Please be advised that this office requires a drilling record that clearly states the pertinent details and dates of all operations that ultimately affect the well, conservation of resources, public health and safety, and the environment. This would include at a minimum a record of (1) daily footage with brief description of daily activity, i.e. drilling, running casing, testing, logging, etc.; (2) individual intervals of lost circulation or uncontrolled flows; (3) amount and type of any lost circulation material or diesel fuel added to the mud; (4) number of cored intervals including recovery and brief description of each individual core; (5) number of DST's including a description of pressures and recoveries of each individual DST interval; and (6) wireline logs and sidewall cores run.

Some of the Sundry Notices you sent reported perforated intervals but did not report initial pressure and flow results. Please be advised that this office requires the Sundry Notice to clearly state all pertinent details including date each individual interval was perforated and pressure and flow results before and after stimulation.

Please note that the drilling record for the 11 wells drilled by Ridgeway in 1997 are past due.

Sincerely,

Steven L. Rauzi Oil & Gas Program Administrator

Oil and Gas Commissioners; Larry D. Fellows
 Office of Attorney General

^

# RIDGEWAY AZ OIL CORP.

July 28, 1997

Arizona Geological Survey 416 W. Congress Suite 100 Tucson, AZ 85701

Attn: Mr. Steve Rauzi

RE: Sundry Notices/Reports

Dear Mr. Rauzi:

Enclosed please find the Sundry Notices and Reports on Wells, for Ridgeway AZ Oil Corp. for wells State 22-1X, State 11-21, State 10-22, State 9-21, State 10-16-31, State 12-15-30, State 12-16-28, and State 10-26-29.

If you have any questions regarding this matter, please advise.

Sincerely,

Carmen Tanner Office Manager

CT:ct

Enclosures

Rauzi.7-28-97

Missin; Sundry Notice for:

9-22-29 (898) - May 21 PR rpt; stim +test 5 zews 2 ever 15 days. Free tanks on lee 5/31

15-28-29 (904)



P. O. BOX 1110, 590 S. WHITE MTN. DR. . ST. JOHNS, AZ . 85936-1110 PHONE: 520-337-3230 \* FAX: 520-337-3162





Fife Symington Governor

## Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500

July 28, 1997



Larry D. Fellows
Director and State Geologist

Mr. Don Riggs Vice President Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

Dear Mr. Riggs:

In response to your phone call about expired permits 890, 891, 892, and 893, please be advised that extensions may be considered after we receive your request certifying in writing that the wells will be drilled in accordance with the drilling prognosis and all conditions and notification requirements of the original permits.

Our records show that Ridgeway Arizona Oil Corporation remains out of compliance with Commission rules in several areas. Ridgeway is not in compliance with its obligation to: (1) plug the 22-1 State (885) and Plateau Cattle 1A (883) wells; (2) post identifying signs at each well; (3) file samples on the 22-1X (888) and 11-21 (895) wells; (4) file logs, tests, core chips, and analyses; (5) report the stimulation of any well within 15 days of the stimulation; and (6) submit sundry reports detailing operations from spud date to current status for each of the 11 wells drilled by Ridgeway in 1997.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

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Oil and Gas Commissioners; Larry D. Fellows
 Office of Attorney General





Fife Symington Governor

## Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

July 25, 1997

Mr. Don Riggs Vice President Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

Dear Mr. Riggs:

Rules require abandoned wells to be marked with metal pipe permanently inscribed with the well's location and identity. Since you may have overlooked this requirement on the Application to Plug and Abandon the 22-1 well (Permit 885) you sent, I am returning it. You will need to indicate this on your Application to Plug and Abandon before it may be approved.

Also, please be advised that regulation dry hole markers are required on your plugged wells 13-36-29 (Permit 901) and 15-28-29 (Permit 904).

Sincerely,

Steven L. Rauzi

Stewal Ra

Oil & Gas Program Administrator

**Enclosure** 







Fife Symington Governor

State of Arizona

## Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

July 16, 1997

Mr. Don Riggs Vice President Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

901

Dear Mr. Riggs:

As we previously discussed, rules of the Arizona Oil and Gas Conservation Commission require operators (1) to conduct a test to determine the reservoir pressure on the discovery well of any new pool and (2) to determine the open flow capacity of each new producing gas well. The open flow capacity is to be submitted on our Form 18, Multipoint and One Point Back Pressure Test for Gas Well, several copies of which are enclosed for your convenience. These reports are now due for the Plateau Cattle 1 (880), 3-1 (884), and 22-1X (888) wells.

Our records show that Ridgeway Arizona Oil Corporation remains out of compliance with Commission rules in several areas. Ridgeway is not in compliance with its obligation to: (1) plug the 22-1 State (885); (2) post identifying signs at each well; (3) file samples on the 22-1X (888) and 11-21 (895) wells; (4) file logs, tests, and analyses; (5) report the stimulation of any well within 15 days of the stimulation; and (6) submit sundry reports detailing operations from spud date to current status for each of the 11 wells drilled by Ridgeway in 1997.

Note that the temporary abandonment status for the 1A Plateau Cattle (883) has expired. As a result, advise this office as soon as possible when and how you plan to plug it.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Steven L. Paris

**Enclosures** 

Oil and Gas Commissioners; Larry D. Fellows
 Office of Attorney General

Munger Oilogram, Page 9 June 5, 1997 OTHER WESTERN STATES
STATE OF ARIZONA
APACHE COUNTY
\*Ridgeway Arizona Oil Corp "State" 09-22-29 Map.AZ
22-9N-29E,Fr SW cor 1091'N 2674'E 02-001-20310
8-5/8c.1135 4-1/2c.3180 State Lease 13-101-536
S-9:30pm-03/30/97(Aztec Well Service) (NPW)
elev:7178'GR 2400'-est.td
3180 Stimulating and production testing. Will frac and test 5 zones over 15 day period.
\*Ridgeway Arizona Oil Communications are strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or strong or ARCO Alaska Inc. "Prudhoe Bay Unit" 13-27A Map:AL-4 14-10N-14E UM, Pr SE cor 526'N 1185'W(Surface) 24-10N-14E UM, Fr NE cor 3435'S 681'W(BHL) 23-10N-14E UM, Pr NE cor 4643'S 283'N(est.BHL-RD) 20c.110 13-3/8c.2633 9-5/8W.???? ?c.????? 50-029-20949-01 Rsm-05/25/97(Nabors Drlg #3S) (Rowan Drlg #35) S-5/26/83 Rig rel-6/11/83 Directional \*Ridgeway Arizona Oil Corp "State" 12-16-28 Map:AZ 16-12N-28E,Fr NE cor 1215'S 1951'W 02-001-20314 8-5/8C.700aprx 4-1/2c.2175aprx elev:5988'GR (NPW) S-05/21/97(Aztec Well Service) 2150'-est.td State Lease #13-101-344 2175aprx TD. Drilled. Ran 4-1/2" csg to bottom. Released rig 5/27/97. 10590 RD????? Redrilled, no datails. Released rig ARCO Alaska Inc. "Frudhoe Bay Unit" 18-16B Map:AL-5
19-11N-15E UM,Fr NW cor 691'S 281'E(Surface)
19-11N-15E UM,Fr NW cor 236'S 2059'E(EHL)
18-11N-15E UM,Fr NE cor 4932'S 796'N(EHL-RD)
18-11N-15E UM,Fr NE cor 4415'S 457'W(est.BHL-RD2)
20c.110 13-3/8c.2517 9-5/8W.7829 7c.9881
4-1/2c.10407 50-029-21749-02 Directional
(Nabors Drlg #2ES)Rsm-2pm,9/15/92 Rig rel-10/14/92 (Rowan Drlg #141) S-9/17/87 Rig rel-10/1/87
10834 Pg10392 Issued permit #97-99 on 5/30/97 for redrill #2. \*Ridgeway Arizona Oil Corp "State" 13-36-29 Map:AZ
36-13N-29E,Fr.ME cor 1356'S 1726'W 02-001-20313
State Lease #13-101-554 (Aztec Well Service)
elev:6167'GR 2200'-est.td (NPW)
2200aprx TD. Drilled Logged. Plugged and
APANDONED-DRY 5/20/97.
ST JOHNS-NORTH
\*Ridgeway Arizona Oil Corp "State" 15-28-29 Map:AZ
28-15N-29E,Fr NW cor 1423'E 818'S 02-001-20316
8-5/8c.1059 S-05/27/97(Aztec Well Service) (NFW)
State Lease #13-101-340 elev:5695'GR
2200'-est.td ARCO Alaska Inc. "Prudhoe Bay Unit" 18-25A Map:AL-5 19-11N-15E UM, Fr NW cor 271'S 326'R(Surface) 20-11N-15E UM, Fr SE cor 2367'N 2277'W(BHL) 20-11N-15E UM, Fr NE cor 3378'S 310'W(est.BHL-RD) 13-3/8c.3761 9-5/8c.10047 7c.11873 50-029-21948-01 (Nabors Drig #28E) S-5/28/89 Rig rel-6/29/89 2200 -est.td

1100+ Cmtd 8-5//8\* csg at 1059'. Drilling ahead.

STATE OF NEVADA

CHURCHILL COUNTY

Oxbow Geothermal Corp. \*33\* 37-33 27-001-90240

33-25N-37E, SE-1/4 5N-1/4 Map:NV

20c.1350 S-05/01/97 (VECO Drig Co #10)

6829 Drilling.

HYDE WASH

\*Falcon Energy LLC/Kriac Energy Inc.\*Hamlin Wash\*18-1

18-8N-70E, Fr SE cor 1150'N 599'N 27-017-05225

S-05/19/97 (Sierra Drig #3) elev:5712'GR Map:NV

(Federal Lease N-51722). 4200'-est.td (NFW)

???? Drilling, "no dope" hole.

GHOST RANCH

Eagle Springs Prod LLC "Ghost Ranch Federal "47-35

35-9N-57E, Fr SW cor 1052'N 2340'E 27-023-05552

7c.4696 S-03/09/97 (Caza Drig Co #63) elev:4746'GR

(Federal Lease N-42341) 5000'-est.td Map:NV

4656 Shut off water: Completed oil well in
Devonian Carbonates. Status:OIL 2200'-est.td Directional 12885 TVD8747: Issued permit #98-98 on 5/30/97 for redrill #1... BP Expl' (Alaska) Inc. "Prudhoe Bay Unit" C-29A
19-11N-14E UM, Fr. NE cor 1901'S 884'W(Surface)
29-11N-14E UM, Fr. NE cor 1512'S 741'W(BHL)
28-11N-14E UM, Fr. NW cor 178'S 424'R(BHL-RD)
13-3/8c.3085 9-5/8W.???? ?c.????? 50-029-21472-01
(Nabors Drlg #22E) S-1/20/86 Rig rel-2/14/86
Directional Map:AL-4 Status:OIL-12/20/96
13660 TVD8915 Redrilled. Deepened from 12025' to
13660', TVD8915'. Recompleted oil well 12/20/96. BP Expl (Alaska) Inc. "Prudhoe Bay Unit" D-01A
23-11N-13E UM, Fr. NE cor 2130'S 1067'W (Surface)
23-11N-13E UM, Fr SW cor 1980'N 1980'E (BHL)
23-11N-13E UM, Fr NE cor 3831'S 3765'W (est. BHL-RD)
13-3/8c.2650 ?c.????? 50-029-20054-01 Directional
(Nabors Alaska #NB1) S-1/4/70 Comp-3/18/70
Rsm-05/20/97 (Doyon Drlg #141) Map:AL-4
10670 Deepened to TD. Ran csg to an undisclosed depth. Released rig 6/4/97. \*\*Makoil, Inc. \*Ghost Ranch\* 2-21X - 27-023-05553
2-8N-57E,Fr NW cor 430'S 2310'E elev:4742'GR
(Federal Lease N-42341) 5000'-est.td Map:NV
Permit #800 approved 5/12/97. (EXT)
LATHROP WELLS
\*Westek Resources, Inc. \*Wheeling\* 1 Map:NV...(NPW)
13-16S-51E,Fr NE cor 2100'S 950'W
(Pederal Lease N-61369)
Filed notice of staking.
SANS SPRING BP Expl (Alaska) Inc. "Prudhoe Bay Unit" K-09B
4-11N-14E UM,Fr NW cor 2113'S 493'E(Surface)
5-11N-14E UM,Fr NE cor 4030'S 2287'W(BHL)
5-11N-14E UM,Fr SE cor 490'N 2790'N(est.BHL-RD)
5-11N-14E UM,Fr SE cor 3587'N 3831'W(est.BHL-RD2)
20c.110 13-3/8c.2675 9-5/8W.7594 7c.777? Map:AL-4
50-029-21736-02 Rsm-05/10/97(Doyon Drlg #16)
(Doyon Drlg #9) Rsm-2pm;11/25/94 Rig rel-12/13/94
(Nabors Drlg #18E) S-8/24/87 Rig rel-9/9/87
'Directional SANS SPRING
Big West Oil & Gas, Inc. "Sans Spring":5-14A Map:NV
14-7N-56E,Fr NW cor 1700'S 450'E 27-023-05546
S-04/02/97(Caza Drlg 63) (Federal Lease N-47646)
elev:4708'GR 5636'-est.td 11220 Released rig 5/30/97. ... 77?7 Completed, no details. BP Expl (Alaska) Inc. "Prudhoe Bay Unit" M-05AL1
1-11N-12E UM, Fr NE cor 3078'S 605'W(Surface)
12-11N-12E UM, Fr NE cor 2914'S 345'W(BHL)
11-11N-12E UM, Fr SE cor 3426'N 4067'W(est.BHL-RD)
11-11N-12E UM, Fr SE cor 3426'N 4067'W(est.BHL-RD)
4067'W(est.BHL-RD-lateral) 50-029-20194-61
20c.100 13-3/8c.2695 9-5/8W.??? Directional
(Nabors Drlg #18E) S-2/12/76 Comp-4/18/76
Rsm-05/11/97(Nabors Drlg #2ES) Map:AL-4
12701 Pg11680 Resumed 5/11/97 for redrill #1. \*Trio Petroleum, Inc. "Federal" 16X-20 27-023-05554 20-7N-57E, Fr SW cor 1700'N 300'E elev:4713'GR S-05/21/97(Caza Drlg Co #63) 5500'-est.td Map:NV (Federal Lease N-55475) Status:DRY-05/31/97 ???? Drilled, "no dope" Hole. Logged. Plugged and ABANDONED 5/31/97. (NPW) TROUGH SPRINGS

\*MKJ Xploration "Trough Springs Canyon Federal" 25-7 25-6N-61E, Fr NZ cor 2000'S 1600'W Map:NV (NPW) (Federal Lease N-60939) Filed notice of staking. Filed notice of staking. BP Expl (Alaska) Inc. "Prudhoe Bay Unit" P-21B
31-11N-13E UM, Fr SW cor 2260'N 2019'E(Surface)
12-10N-12E UM, Fr NE cor 2319'S 3505'W(BHL)
12-10N-12E UM, Fr NE cor 2897'S 3245'W(BHL-RD)
36-11N-12E UM, Fr SE cor 2882'N 4497'W(est.BHL-RD2)
20c.110 10-3/4c.2997 7-5/8W.77?? 7c.77??? Map:AL-4
50-029-22148-02 (Doyon Drlg #9) Directional
(Alaska United #2)S-9:45am,3/20/91 Rig rel-4/18/91
(Nabors Drlg #18E) Rsm-4/22/96 Rig rel-5/4/96
15460 RD13671 Completing. \*\*EVANS-BATTON, Ltd \*\*Kyle Spring\* 11-14 27-027-05005

11-29N-36E,Fr SW cor 1033'N 769'E elev:4786.54'GR

4-1/2c.2500 5-11/06/96(Humboldt Drlg) Map:NV
Federal lease N-58388 2500'-est.td (NFW)

2522 Moved in completion rig. Federal lease N-58388 2500'-est.td (NFW)
2622 Moved in completion rig.

SAN EMIDIO

San Emidio Resources, Inc. \*16\* 76-16 27-031-90191
16-29N-23E,Fr SB cor aprx.1650'N 990'W Map:NV
?c.???? S-05/05/97(Buckland Drlg \*SER\* #1)
1710 TD. Drilled. Reached temperatures of 310degf.
Released rig 6/3/97. Completed as a Geothermal
Producer. Status:GEOTHERMAL-C6/03/97

STATE OF OREGON BP Expl (Alaska) Inc. "Prudhoe Bay Unit" S-43L1 35-12N-12E UM, Fr SE cor 4211'N 4593'W(Surface) 26-12N-12E UM, Fr SE cor 2858'N 229'W(est.BHL) 26-12N-12E UM, Fr SE cor 2858'N 229'W(est.BHL-L1) 50-029-22754 S-05/05/97(Nabors Drlg #18E) Directional Map:AL-4 7777 Drilling, no details. MIST COLUMBIA COUNTY
Enerfin Resources Northwest \*CC\* 32-27-65
27-6N-5W,Fr NE cor 1472'S 2422'W 36-009-00322
7c.493 S-09/14/96 (Taylor Drig Co #7) elev:860'CB
2010'Clark/Wilson-est +d Mes.CB

6

2010 Clark/Wilson-est.td Map:OR 2084 Temporarily abandoned 9/20/96.

Ω



Fife Symington Governor

# State of Arizona Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500 urvey {

May 28, 1997



Larry D. Fellows
Director and State Geologist

Mr. Don Riggs Vice President Operations Ridgeway Arizona Oil Corporation P.O. Box 1110 St. Johns, Arizona 85936

Re: Plug and abandonment of 13-36-29 State, Permit 901

Dear Mr. Riggs:

This will acknowledge receipt of your Sundry Notice recording the placement of cement plugs in the referenced well from TD to  $\pm$ /- 2300 feet and from 1376 to  $\pm$ /- 1200 feet as we had discussed on May 18.

Since that date, I talked to Charles Cantwell, Water Rights Section, Arizona State Land Department, about the State Land Department taking this well over as a water well. Mr. Cantwell advised me on May 27 that in light of Mr. Brown's water well in the ne ne 35-13n-29e, the Land Department has no interest in taking this well over as a water well.

As a result, please arrange to set the cement surface plug and install the abandoned well marker in accordance with our previous discission at your earliest convenience.

Sincerely,

Steven L. Rauzi Oil & Gas Administrator

c Charles Cantwell

# Ridgeway expands drilling to 12 wells

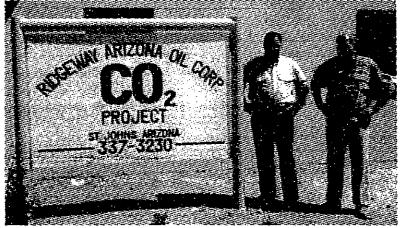


Photo by Art Harrington

Ridgeway Petroleum president Walter B. Ruck, (rt.) has announced the company will drill 12, instead of 10, delineation wells. Don Riggs, manager of Ridgeway Arizona, is also pictured.

ST. JOHNS — Walter B. Ruck, president of Ridgeway Petroleum, announced Thursday in St. Johns that the Calgary-based company's 10-well delineation drilling program has been expanded to 12 wells. The company's president and chairman of the board was in Arizona to meet with staff and to personally check on the progress being made in defining the company's highly-successful CO2 discovery in southern Apache County.

"Every CO2 field has been discovered by accident," he said. "We initially came here searching for oil." The tip-off for Ridgeway had been the published results of the geothermal drilling done several years ago at Alpine, which had been funded by the United States Department of Energy. While Ruck still believes oil may be found in the area, the company's initial drilling discovered a vast reservoir of carbon dioxide gas instead. Ruck explained that it seems to be found where there has been contact between volcanic deposits and wet limestone. "The fields are typically very large when you find them," he said. "But you may drill hundreds of wells searching for the gas and never find it." So far the gas has been found in every well Ridgeway has drilled here.

California petroleum and food industries all need CO2 badly, Ruck explained, since no natural reservoirs of it have ever been discovered there. The demand is such that there appears to be substantial interest in constructing a pipeline which would likely carry the liquefied and pressurized gas from southern Apache County to Bakersfield, Cal. Ruck estimates it would cost

between \$200-250 million to build such a pipeline.

The Arizona Oil and Gas Commission has decided to hold its annual meeting on June 13 in St. Johns at Ridgeway's offices. According to Ruck, the meeting is kind of snowballing. At least four pipeline companies have notified him they plan to come,

along with representatives of a number of major oil companies. Ruck expects some important decisions about the future of Ridgeway's project may be made at that time.

Ruck cautioned, "We're not a panacea for the area." He noted that the local unemployment rate will not be reduced much by the CO2 development, since most of the work is so specialized it requires bringing in highly-trained and experienced personnel. On the other hand, he admitted, he believes the development will ultimately be good for the area. It is already infusing money into the local economy. The company now has a large drilling rig and a service rig, or completion unit, in addition to all of the other well services which have come in to assist in the exploration. "It is also an environmentally clean industry, when compared to other oil and gas exploration," he said.

What about the helium content? According to Ruck, it has been significant, testing between .65 and .70 percent. By comparison, he said, most of the helium being commercially extracted tests at less that .30 percent. Consequently, the construction of a helium extraction plant is still a possibility, he said, "But it would be expensive—probably \$35-40 million." Interestingly enough, the United States produces 95 percent of the world's helium.

The president said the company will be going to faster air drilling for the remainder of the planned wells. He said the down side is that it is impossible to core or to get the quality of samples which can be obtained by mud drilling. "We did enough coring and drill-stem testing on the first wells, though, that we can stand the air drilling on the remaining wells," he said.

The wells drilled thus far have ranged from 1,800 to 3,150 feet. "As we go further north," Ruck said, "the wells may go down to 4,500." The required depth can vary as much as 450 feet, due to surface elevation differences. All of the wells are now being taken down to the granite.

The second

# Stock soars on drilling discoveries

Art Harrington file 901 The Observer

APACHE COUNTY -Southern Apache County is making international news with the discovery of its vast CO2 resources. Consequently the stock of developer Ridgeway Petroleum Corporation continues to

Drilling by Aztec Well Service, contracted by Ridgeway, began on February 12 to prove up the carbon dioxide gas reserves which had been estimated at fourto-five trillion cubic feet. The huge rigs have lost no time in completing seven wells and are now working on the eighth.

According to information The Observer has been able to discover, the company has hit CO2 in each of the wells drilled. This would seemingly indicate widespread deposits, since drilling thus far has been reported in areas from north of St. Johns to just northeast of Springerville.

The discovery has not escaped the attention of the stock market. Ridgeway Petroleum stock (symbol RGW) has moved this year from a low of \$.92 per share to a high of \$7.35 (Canadian). On Friday it closed at \$5.55, having traded as high as \$5.75 that day.

On Monday trading of the stock on the Vancouver exchange was temporarily halted. It was resumed after the company announced a blowout on the #6 well had been contained. With that being an indicator of an even greater reservoir, the stock closed on Monday at \$6.00.

Ridgeway was incorporated February 22, 1980 as Brent West Minerals. It continued doing business under that name until February 26, 1990, when it became Ridgeway Petroleum Corp. Its

Drilling in southern Apache County has revealed immense deposits of CO2. Ridgeway Petroleum, the developer, has realized spectacular increases in its stock since the news of the discoveries has reached investors. The rig pictured above costs over \$1 million dollars. It has a crew of eight which man it with 12-hour shifts, so the rig can keep drilling 24-hours a day.

Rice is in Calgary, Alberta, dustries. Canada. The primary business of the company is the extraction of oil and gas, with a secondary interest in diamonds. As of May 2, 11,061,829 of its authorized 25,000,000 shares had been issued. The volume traded on that day was

Ridgeway President Walter Ruck also announced on May 2 that a 4,800,000 special warrant brokered private placement through Yorkton Securities had closed. Gross proceeds of \$16,800,000 were received, of which approximately \$10 million was being held in escrow, pending the advancement of the company's previously announced transaction involving Arizona Resources In-

Is there a market for such CO2 resources? Without a doubt. The largest consumer of CO2 is the petroleum industry, which uses the gas to help force otherwise unretrievable oil deposits into collectable pools. The Permian Basin in west Texas and eastern New Mexico, for example, uses in excess of 1.4 billion cubic feet per day in its oil recovery operations. The hundreds of other uses for CO2 include a diversity ranging from food processing, carbonation of beverages and water purification, to flash freezing.

How would the product be moved? According to information The Observer has been able to glean, resources of two trillion cubic feet would justify the construc-

tion of a pipeline to oilfields in California or Texas. The company has apparently proven with is wells drilled thus far that more than adequate reserves exist to begin planning for a pipeline.

Our information also indicates that a number of major players in the industry are actively involved in bidding on the gas. Names such as Chevron and Cal Resources continue to surface.

Also previously reported has been the discovery of helium, along with the CO2. While the quantity of helium has yet to be determined, The Observer understands Ridgeway is also evaluating the possibility of building a helium extraction plant in southern Apache County.

#### Ridgeway Expands Eastern Arizona Program

has scheduled three more wildcats targeting the Fort Apache limestone member of Supai (Permo-Pennsylvanian) in eastern Arizona's Apache County.

The 13-36-29 Ridgeway-State, sw ne 36-13n-29e, is a proposed 2200-fit test to be drilled about seven miles east of St. Johns. It's four and a half miles north-northeast of Ridgeway's 1 Canstar-Plateau Cattle Co, se nw 15-12n-29e, a shut-in gas discovery drilled in 1994. That 2431-fit well recovered carbon dioxide, nitrogen and helium on drillstem tests in two intervals of Supai at 1410-79 and 1680-1720 ft.

Seven miles west of the shut-in discovery—and three miles south of St. Johns—Ridgeway has staked the 12-16-28 Ridgeway-State in nw ne 16-12n-28e. The latter wildcar is projected to a depth of 2150 ft.

Ridgeway also has scheduled the 10-26-29 Ridgeway-State, nw sw 26-10n-29e, about seven miles northnortheast of Springerville. This site is

### Mull Schedules Spergen Tests on Las Animas Arch

ing Co has staked a 5177ft test of the Mississippian Spergen on the Las Animas Arch about nine miles north-northeast of Eads in southeastern Colorado.

The 1 UPLRC-George, ne sw 1-17s-48w, northern Kiowa County, will be drilled a little more than a mile northeast of Mull's 1-11 UPLRC-Merwin in sw ne 11-17s-48w. That 5173-ft well was completed last fall pumping 65 bbls of 41.1° oil and five bbls of water per day from Spergen at 5083-5103 ft to revive production in the abandoned Quiver field (PI 1127-96). It logged the top of Spergen at 5076 ft from a kelly bushing elevation of 4223 ft.

In its first four months on line (September-December 1996), the 1-11 UPLRC-Merwin produced a total of 6,042 bbls of oil and 287 bbls of water. In December, it produced an average of about 39 bbls of oil and three bbls of water daily.

Half a mile south of its 1-11 UPLRC-Merwin producer, Mull will drill a 5200-ft Spergen test in the field at the 2-11 UPLRC-Dunlap in sw se 11-17s-48w. Kudu Drilling is under contract for both Mull ventures.

10 miles south of the company's 3-1 State 13-53-801 discovery in nese 3-11n-29e, which was completed in 1995 flowing 663,000 cuft of carbon dioxide, nitrogen and helium per day from Fort Apache between 1536 and 1676 ft. It currently is shut in.

In recent months, Ridgeway-

with Aztec Well Service's Rig#124—under contract, has drilled five other Fort Apache tests in the area and currently is drilling the 10-16-31 Ridgeway in ne sw 16-10n-31e (PI 3-19-97). The company also has locations staked for five other Fort Apache tests in the area.

(Wyoming, from Page 1)

sand at 12,190 ft.

The wildcat is nearly two miles west of Frontier and Dakota gas/condensate production in Wilson Ranch Gald There is no production from Muddy in the vicinity.

Approximately 15 miles to the north-northwest is Petral Exploration LLC's Muddy discovery in sw se 35-230-1130. The real she 40-35 Fed.

eral-Pascali, flowed 2,699,000 cu ft of gas, 96 bbls of condensate and seven bbls of water daily from an untreated Muddy "C" interval perforated at 12-026-12-038 ft (PI 2-16-97).

#### PETROLEUM INFORMATION/DWIGHTS DAILY ACTIVITY REPORT **SECTION II - 04/11/97**

PAGE 2

D

FIRST REPORT SUMMARY

INITIAL CLASS: WF=NEW FIELD WILDCAT; WD=DEEPER POOL WILDCAT; WS=SHALLOWER POOL WILDCAT; WP=NEW POOL WILDCAT; WO= WILDCAT OUTPOST: D = DEVELOPMENT.

DENOTES NEW INFORMATION ADDED THIS WEEK, LDIR - LAST DATE INFORMATION REPORTED OR CONFIRMED.

DENOTES A FINAL STATUS HAS BEEN ADDED TO THE WELL.

12-16-28 RIDGEWAY STATE

API 02-001-20314

LOC:

LOC:

6

S wasterman

#### **ARIZONA**

#### **APACHE COUNTY**

WF RIDGEWAY ARIZONA OIL 26-10N-29E WILDCAT; PERMIT #903; 2300 FORT APACHE. (FR 04/10/97FM) OPER ADD: BOX 1110, ST JOHNS, AZ, 85936 PHONE (520) 337-3230; EL: 6933 GR; 10-26-29 RIDGEWAY STATE NW SW LOCATION DATA: 10 MI S UNNAMED FLD(FORT APACHE)CO2 DISC API 02-001-20315 2260 FSL 1206 FWL 3-11N-29E 12 MI NE SPRINGERVILLE, AZ; TO BE VERTICALLY DRILLED. LOC; RIDGEWAY ARIZONA OIL WF

WILDCAT; PERMIT #902: 2150 FORT APACHE. (FR 04/10/97FM) OPER 16-12N-28E ADD: BOX 1110, ST JOHNS, AZ, 85936 PHONE (520) 337-3230; EL: 5988 GR; NW NE LOCATION DATA: 7 1/2 MI W UNNAMED FLD(FORT APACHE)CO2 DISC 1215 FNL 1991 FEL 15-12N-29E 2 MI SW ST JOHNS, AZ: TO BE VERTICALLY DRILLED.

**SOONER;** PERMIT #97-252; 6400 D SAND, (FR 04/10/97DN) **OPER ADD:** 

**RIDGEWAY ARIZONA OIL** WILDCAT; PERMIT #901; 2200 FORT APACHE. (FR 04/10/97FM) OPER WF 36-13N-29E 13-36-29 RIDGEWAY STATE ADD: BOX 1110, ST JOHNS, AZ. 85936 PHONE (520) 337-3230; EL: 6168 GR; SW NE API 02-001-20313 LOCATION DATA: 4 MI NE UNNAMED FLD(FORT APACHE)CO2 DISC 1356 FNL 1726 FEL

15-12N-29E 7 MI E ST JOHNS. AZ: TO BE VERTICALLY DRILLED. LOC;

**COLORADO** 

**WELD COUNTY** 

35-2N-65W WATTENBERG; PERMIT #97-253; DAKOTA, (FR 04/10/97DN) OPER ADD: DX 2 MARGARET EICHTHALER B BOX 187, FORT LUPTON, CO, 80621 PHONE (303) 894-6625; EL: 4928 GR; API 05-123-09778-0002 1320 FNL 1320 FWL LOCATION DATA: 2 MI N HUDSON, CO TO COMMINGLE(J SAND/CODELL/DAKOTA): TO BE VERTICALLY DRILLED. OWWO: OLD INFO: FORMERLY AMOCO PROD 2 MARGARET EICHTHALER 8. SPUD 6/14/95. LOG TOPS: NIOBRARA 6904, CODELL 7223, J SAND 7662. TD 7835. COMP 12/4/95. IPF 1 BC, 10 MCFGPD, 1 BWPD. PROD ZONES: J SAND 7662-7704(GROSS), CODELL 7223-7238. COMMINGLED;

**DIVERSIFIED OPERATING** 17-8N-58W 17-9-6 SOONER UNIT NE SE

1575 LARIMER ST STE 400, DENVER, CO, 80202 PHONE (303) 595-3957; EL: 1856 FSL 610 FEL 4883 GR; LOCATION DATA: 4 MI N NEW RAYMER, CO: TO BE API 05-123-19380 VERTICALLY DRILLED. CONTR: CAZA DRLG; LOC;

YUMA COUNTY

**EVERGREEN OPERATING** 24-4S-44W BONNY; PEPMIT #97-249; 1834 NIOBRARA, (FR 04/10/970N) OPER ADD: 23-24 ALLEN 1512 LARIMER ST STE 1000, DENVER, CO, 80202 PHONE (303) 534-0400; EL: 3923 GR; LOCATION DATA: 2 1/4 MI E-SE IDALIA, CO; TO BE NE SW API 05-125-07972 1825 FSL 1700 FWL VERTICALLY DRILLED.

CONTR: EXCELL DRLG; LOC; 25-4S-44W **EVERGREEN OPERATING** BONNY; PERMIT #97-250; 1826 NIOBRARA, (FR 04/10/97DN) OPER ADD:

Q 1512 LARIMER ST STE 1000, DENVER, CO. 80202 PHONE (303) 534-0400; EL: **42-26 BRENNER** SE NE 3930 GR; LOCATION DATA: 2 MI SE IDALIA, CO; TO BE VERTICALLY API 05-125-07973 1520 FNL 673 FEL CONTR: EXCELL DRLG; LOC;

**EVERGREEN OPERATING** 8-5S-43W **BONNY;** PERMIT #97-251; 1656 NIOBRARA, (FR 04/10/97DN) **OPER ADD:** D 14-8A WAYERMAN SW SW 1512 LARIMER ST STE 1000, DENVER, CO, 80202 PHONE (303) 534-0400; EL: API 05-125-07974 675 FSL 450 FWL 3779 GR: LOCATION DATA: 6 1/4 MI SE IDALIA, CO; TO BE VERTICALLY

DRILLED. CONTR: EXCELL DRLG: LOC;

### BP END! (Alaska) Inc. "Niakuk" NK-15 50-029-22745

36-12N-15E UM, Fr SE cor 1373'N 918'W(Surface)

14-12N-15E UM, Fr SE cor 1514'N 1801'W(est.BHL)

5-03/05/97(Fool Arctic #7) Directional Map:AL-5

POINT MCINTYRE

ARCO Alaska Inc. "Point McIntyre" P2-03 Directional

11-12N-14E UM, Fr SW cor 47'N 1004'E(Surface)

10-12N-14E UM, Fr SE cor 2777'N 1264'W(est.BHL)

50-029-22749 S-03/24/97(Doyon Drlg #14) Map:AL-4

77777 Drilled, no details. Released rig 4/7/97.

ARCO Alaska Inc. "Point McIntyre" P2-13 Directional

14-12N-14E UM, Fr SE cor 5269'N 4138'W(surface)

2-12N-14E UM, Fr SE cor 1753'N 2458'W(est.RHL)

50-029-22757 S-04/08/97(Doyon Drlg #14) Map:AL-4

6003 Issued permit #97-60 on 4/4/97. Drilling

ahead.

PRUDNOE BAY

ARCO Alaska Inc. "Prudhoe Bay Unit" 02-39 Map:AL-4

36-11N-14E UM, Fr SE cor 4512'N 3563'W(Surface)

25-11N-14E UM, Fr SE cor 4111'N 188'W(SHL)

7c.7???? 50-029-22721 Directional

S-12/07/96(Nabors Drlg #28S) Status:OIL-01/03/97

12450 Completed oil well 1/3/97.

ARCO Alaska Inc. "Prudhoe Bay Unit" 03-16A Map:AL-4

10-10N-15E UM, Fr SE cor 1249'N 78'W(Surface)

9-10N-15E UM, Fr SE cor 1249'N 78'W(Surface)

9-10N-15E UM, Fr SE cor 1249'N 78'W(Surface)

9-10N-15E UM, Fr NE cor 2639'S 1944'W(est.RHL-RD)

20c.90 13-3/8c.2725 9-5/8c.11830 7Ld.13055

50-029-20415-01 RSm-03/30/97(Nabors Drlg #3S)

(Rowan Drlg #35) S-2/24/80 Rig rel-3/31/80

Directional

13070 Pg12983 Resumed 3/30/97 for redrill #1 as an injector.

ARCO Alaska Inc. "Prudhoe Bay Unit" 17-19A Map:AL-5

22-10N-15E UM, Fr NW cor 2534'S 4288'E(Surface)

21-10N-15E UM, Fr NW cor 2534'S 4288'E(Surface)

21-10N-15E UM, Fr SE cor 4142'N 205'W(est.BHL-RD)

20c.10N-15E UM, Fr SE cor 210-20-1000 Drig #16).

(Nabors Drlg #18E) S-10:30am, 10/20/92 Rel-11/4/92

10415 Pg10322 Redrilling at 10058'.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" B-12A
31-11N-14E UM, Fr NE cor 1850'S 1609'W(Surface)
31-11N-14E UM, Fr NE cor 3458'S 726'W(BHL)
31-11N-14E UM, Fr NE cor 3458'S 726'W(BHL)
31-11N-14E UM, Fr NE cor 1299'N 332'W(est.BHL-RD)
13-3/8c.2677 9-5/8c.8618 7c.9505 50-029-20332-01
(Brinkerhoff Drlg #36) S-11/20/78 Rig rel-12/7/78
RSm-03/26/97(Doyon Drlg #141) Directional
9720 Redrilled. Deepened from 9515' to TD.
Logging. Map:AL-4

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" B-13A
6-11N-14E UM, Fr NE cor 683'S 500'W(Surface)
1-11N-13E UM, Fr SE cor 2068'N 713'W(BHL)
1-1N-13E UM, Fr SE cor 2128'N 2050'W(BHL-RD)
13-3/8c.2675 9-5/8W.???? ?c.???? 50-029-20783-01
(Unknown contractor drid in Jan.1997) Directional
(FN #1) S-5/10/82 Rig rel-5/30/82 Map:AL-4
12742 TVD8951 Redrilled, no details. Recompleted
oil well 1/21/97. Status:OIL-01/21/97

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" F-13A
2-11N-13E UM, Fr NE cor 1987'S 2846'W(Surface)
2-11N-13E UM, Fr NE cor 1225'S 2948'W(BHL)
2-11N-13E UM, Fr NE cor 2263'S 2162'W(BHL)-RD)
13-3/8c.2670 9-5/8W.???? 2c.????? 50-029-20434-01
(Nabors Drig #22E) S-2/5/80 Rig rel-2/28/80
(Unknown contractor drid in Dec.1996) Directional
10320 TVD8947 Redrilled. Deepened from 9385'.
Recompleted oil well 12/3/96. Map:AL-4

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" F-16A
2-11N-13B UM, Fr SE cor 2106'N 2199'W(Surface)
2-11N-13B UM, Fr SE cor 232'N 2360'W(BHL)
11-11N-13E UM, Fr NE cor 481'S 3829'W(BHL-RD)
13-3/8c.2660 9-5/8W.???? ?c.????? 50-029-20661-01
(Brinkerhoff PNJV #1) S-12/8/81 Rig rel-12/27/81
(Unknown contractor drld in Nov.1996) Directional
10984 TVD8974 Redrilled. Deepened from 9672'.
Recompleted oil well 11/20/96. Map:AL-4

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BP EXPl (Alaska) Inc. "Prudhoe Ray Unit" K-078
4-11N-14E UM, Fr NW cor 2041'S 473'E(Surface)
33-12N-14E UM, Fr NW cor 1424'N 2332'E(BHL)
33-12N-14E UM, Fr NW cor 4186'S 1567'E(est.BHL-RD)
33-12N-14E UM, Fr NW cor 3993'S 2701'E(est.BHL-RD2)
13-3/8c.2709 9-5/8W.???? ?c.???? 50-029-21045-02
(Alaska United #3) S-11/19/83 Rig rel-12/4/83
Directional Map:AL-4
10257 RD???? Issued permit #97-61 on 4/4/97 for redrill #2.

BP Bxpl (Alaska) Inc. "Prudhoe Bay Unit" P-24
31-11N-13E UM, Fr SE cor 2359'N 3138'W(Surface)
25-11N-12E UM, Fr SE cor 1946'N 2835'W(est.BHL)
50-029-22755 S-03/27/97(Doyon Drlg #9) Map:AL-4
Directional
10831 Drilling

Munger Oilogram, Page 9 APFil 10, 1997

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" S-44Ll 35-12N-12E UM, Fr SE cor 4242'N 4502'W(Surface) 27-12N-12E UM, Fr SE cor 747'N 4811'W(est.BHL) 33-12N-12E UM, Fr SE cor 5093'N 993'W(est.BHL-L1 50-029-22735-60 S-03/02/97(Nabors Drlg #18E) Directional Map:AL-4 7777 Drilling, no details.

BP Expl (Alaska) Inc. "Prudhoe Bay Unit" Z-32BL1
19-11N-12E UM.Fr NW cor 713'S 1253'E(Surface)
18-11N-12E UM.Fr NR cor 691'S 4355'W(RRL)
18-11N-12E UM.Fr SW cor 3768'N 447'E(BHL-RD)
12-11N-12E UM.Fr SE cor 1831'N 1339'W(est.BHL-RD2)
12-11N-12E UM.Fr SE cor 181'N 2526'W(est.BHL-RD2)
12-11N-12E UM.Fr SE cor 181'N 2526'W(est.BHL-L1)
20c.110 13-3/8c.2668 9-5/8W.777? 50-029-21924-62
(Alaska United #2) S-1am.3/28/89 Rig rel-4/17/89
(Doyon Drlg #14) Rsm-2pm.8/14/93 Rig rel-8/30/93
Rsm-03/04/97(Nabors Drlg #2BS) Directional
11330 RD10830 Resumed 3/4/97 for redrill #2.
Map:AL-4

OTHER WESTERN STATES

STATE OF ARIZONA
APACHE COUNTY
\*Ridgeway Arizona Oil Corp "State" 09-22-29 Msp: AZ
22-9N-29E,Fr SW cor 1091'N 2674'E 02-001-20310
3-5/8c.1135 4-1/2c.2400aprx State Lease 13-101-536
S-9:30pm-03/30/97 (Aztec Well Service) (NFW)
elev:7178'GR 2400'-est.td
2400aprx Drilled to TD. Ran csg. Released rig
4/7/97

\*Ridgeway Arizona Oil Corp "State" 10-16-31 Map:AZ 16-10N-31B,Fr SW cor 1980'N 1980'E 02-001-20311 S-04/07/97(Aztec Well Service) elev:7246'GR State Lease 13-101-540 2400'-est.td (NPW) 500+ Drilling.

\*Ridgeway Arizona Oil Corp "State" 10-22 Map:AZ 22-10N-30R,Fr SW cor 660'N 660'E 02-001-20308 8-5/8c.743 4-1/2c.2265 State Lease 13-100-215 S-03/19/97(Aztec Well Service) elev:6878'GR 2300'-est.td (NPW) 2265 TD. Drilled. CO2 was identified throughout the reservoir. Chtd 4-1/2" csg at 2265'. Released rig 3/30/97. Evaluating logs and cores.

\*Ridgeway Arizona Oil Corp "State" 10-26-29 Map:AZ 26-10N-29E,Fr SW cor 1206'E 2260'N 02-001-20315 State Lease #13-101-533 (Aztec Well Service) elev:6932.5'GR 2300'-est.td (NPW) Issued permit #903 on 4/8/97.

\*Ridgeway Arizons Oil Corp "State" 12-16-28 Map:AZ 16-12N-28E,Fr NE cor 1215'S 1991'W 02-001-20314 State Lease #13-101-344 (Aztec Well Service) elev:5988'GR 2150'-est.td (NFW) Issued permit #902 on 4/8/97.

\*Ridgeway Arizona Oil Corp "State" 13-36-29 Map:AZ 36-13N-29R,Fr NR cor 1356'S 1726'W 02-001-20313 State Lease #13-101-554 (Aztec Well Service) elev:6167'GR 2200'-est.td (NPW) Issued permit #901 on 4/8/97.

901

GHOST RANCH
Eagle Springs Frod LLC "Ghost Ranch Federal" 47-35
15-9N-578,Fr SW cor 1052'N 2340'B 27-023-05552
7c.4696 S-03/09/97(Caza Drig #63) elev:4746'GR
(Federal Lease N-42341) 5000'-est.td Map:NV
4696 Moved in Colorado Well Service for completion.

SANS SPRING
Big West Oil & Gas, Inc. "Sans Spring" 5-14A Map:NV
14-7N-56E, Pr NW cor 1700'S 450'E 27-023-05546
S-04/02/97(Caza Drig 63) (Federal Lease N-47646)
elev:4708'GR 5636'-est.td
???? Drilling, "no dope" hole.

\*Trio Petroleum, Inc. "Federal" 86X-19 Map:NV (NPW) 19-7N-57B,Pr SE cor 2000'N 100'W (Federal Lease N-55475) Notice of staking filed 1/28/97.

\*ERSHING COUNTY

\*Zvans-Barton, Ltd "Kyle Spring" 11-14 27-027-05005

11-29N-36E, Fr SW cor 1033'N 769'E elev:4786.54'GR

4-1/2c.2500 S-11/06/96(Humboldt Drlg) Map:NV

Federal lease N-58388 2500'-est.td (NFW)

2622 Released rig 11/25/96. Evaluating.

MIST

Enerfin Resources Northwest "CC" 32-27-65
27-6N-5W, Fr NE cor 1472'S 2422'W 36-009-00322
7c.493 S-09/14/96(Taylor Drlg Co #7) elev:860'KB
2010'Clark/Wilson-est.td Map:OR
2084 Temporarily abandoned 9/20/96.





Fife Symington Governor

# State of Arizona Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows
Director and State Geologist

April 8, 1997

Mr. Clarence Bigelow Manager, Apache County P.O. Box 428 St. Johns, AZ 85936

Re: Ridgeway #13-36-29 State, Sec. 36-13N-29E, Apache Co., Permit #901 Ridgeway #12-16-28 State, Sec. 16-12N-28E, Apache Co., Permit #902 Ridgeway #10-26-29 State, Sec. 26-10N-29E, Apache Co., Permit #903

Dear Mr. Bigelow:

I have enclosed a copy of the approved drilling applications for the referenced wells in accordance with the Arizona Oil and Gas Conservation Commission's policy to inform County Governments about proposed oil and gas drilling efforts in their counties. These wells are part of Ridgeway Arizona Oil Corporation's widely-spaced drilling program to delineate the extent of carbon dioxide between St. Johns and Springerville.

The Commission issues its Permit to Drill pursuant to A.R.S. § 27-516. Applications are approved after it is determined that the well is in compliance with applicable law and rules and that public health and safety, correlative rights, and subsurface resources are not compromised.

Please let me know if we may be of further assistance.

Sincerely,

Steven L. Rauzi

Oil and Gas Program Administrator

Stevent Rain

**Enclosures** 

c Oil & Gas Commissioners



Fife Symington Governor State of Arizona

## Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500

April 8, 1997



Larry D. Fellows Director and State Geologist

Mr. Don Riggs Ridgeway Arizona Oil Corporation P.O. Box 1110 St. Johns, Arizona 85936

Re: Ridgeway #13-36-29 State, Sec. 36-13N-29E, Apache Co., Permit #901 Ridgeway #12-16-28 State, Sec. 16-12N-28E, Apache Co., Permit #902 Ridgeway #10-26-29 State, Sec. 26-10N-29E, Apache Co., Permit #903

Dear Mr. Riggs:

I have enclosed an approved application to drill the referenced wells; Permit Nos. 901, 902, and 903; and filing fee receipt nos. 3099, 3100, and 3101. A copy of the Permit to Drill must be posted in a conspicuous place at the well site.

These permits are issued on the condition that you conduct operations in compliance with all applicable rules and substantially as outlined in the drilling prognosis submitted with the application to drill, and that you notify me at least 24 hours before you:

1) Commence drilling operations;

2) Run and cement surface casing; and

3) Nipple up and test the BOPE prior to drilling out of the surface casing.

I have enclosed several Sundry Notices (Form 25) for you to provide this office with a weekly summary of wellsite activity (drilling, coring, testing, logging, running casing, etc). These reports are now due for your wells 22-1X, 11-21, 9-21, 10-22, and 9-22-29.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Stevent Raiz

**Enclosures** 

#### MEMORANDUM TO FILE

DATE:

April 3, 1997

FROM:

Steven L. Rauzi SLR

Oil and Gas Program Administrator

SUBJECT: Known and reasonably estimated freshwater aquifers in vicinity of

three proposed Ridgeway Arizona Corp wells located in:

sw ne 36-13n-29e, Apache County (1356' fnl & 1726' fel). permit 901 nw ne 16-12n-28e, Apache County (1215' fnl & 1991' fel), permit 902 nw sw 22-10n-29e, Apache County (2260' fsl & 1206' fwl), permit 903

Rick Herther, Basic Data Section, Arizona Department of Water Resources, reported this date that no water wells are registered with the department in the three referenced sections. He provided the following information about 6 water wells that are registered in the general vicinity of the proposed wells. These are:

ne ne 35-13n-29e, registered 1982; 6", 327' deep; water @ 215', 30 gpm (R. Brown) se nw 17-12n-28e, registered 1986; 6", 300' deep; flowing (SRP) ne nw 18-12n-28e, register 1992; 6", 60' deep; water @ 21'; 10 gpm (Jose Barreras) se ne ne 22-10n-29e, registered 1989, 10", 1050' deep, water @ 620' (ASLD) nw ne nw 25-10n-29e, registered 1948; 6", water @ 22' (ASLD) se sw se 27-10n-29e, registered 1992, 8", wtr @ 420' (ASLD)

The deeper wells are probably producing from the Permian Coconino Sandstone. The shallow wells are probably producing from surface alluvium. Ridgeway's proposal to set 8 5/8" surface casing well into the top of the Permian Supai will therefore be sufficient to protect the surface waters and all other reasonably estimated aquifers in the vicinity of the proposed wells.